

Abstract

This invention is a system and method for managing the risk that errors in interpreting program code may lead to costly problems. A code difference criterion related to code value and position is used to lower such risk. Satisfying the criterion ensures that one or more other program codes interpreted in a subsequent instance will be sufficiently different enough from a first program code to be interpreted in a first instance that such problems may be avoided. One aspect of satisfying the difference criterion is requiring that every code have a minimum 2 bits difference from any other code.